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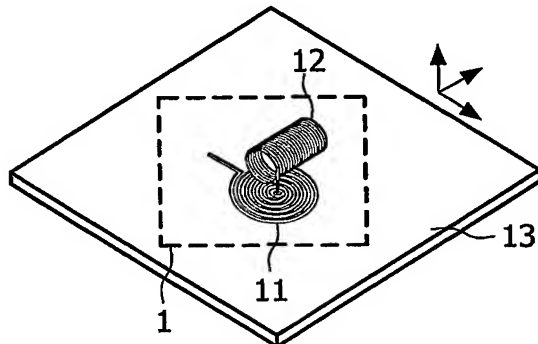
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(54) Title: **INDUCTIVE-SYSTEM**



(57) **Abstract:** Inductive-systems (1,2) comprising a first part in the form of a printed coil (11,21) and a second part in the form of a non-printed coil (12,22) coupled serially to each other may have a relatively large inductive-value and still be relatively small in size. The nonprinted coil (12,22) comprises an air coil. The total inductance of the inductive-system (1,2) is substantially equal to an inductance of the printed coil (11,21) plus an inductance of the air coil plus a mutual inductance, which depends on an overlapping area between the printed coil (11,21) and the air coil. One end of the non-printed coil (12) is coupled to a center end of the printed coil (11), and the other end of the nonprinted coil (12) and an outer end of the printed coil (11) constitute ends of the inductive-system (1), to couple both coils (11,12) compactly.

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